

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-4. (cancelled)

5. (new) A rotor for a centrifuge for purifying a gas medium in a stationary housing, said rotor comprising a plurality of adjacent, concentrically stacked, conical disc elements, each provided with a centrally disposed hole so as to define a free gas inlet of the rotor, said disc elements having through openings by means of which the disc elements are slipped onto at least three substantially axially extending circumferentially spaced guide elements for guiding the disc elements circumferentially and radially, said disc elements being held together by end elements at the ends of the stack of discs, said guide elements being in the form of separate tensile rods, which cooperate with the end elements in such a manner that the end elements are displaceable relative to each other when compressing the disc elements, means to lockingly engage the combined guidance and tensile rods to hold the disc elements in a compressed state, wherein the through openings in the disc elements for the tensile rods are in the form of notches radially directed from the central gas inlet hole in the disc elements, said tensile rods being arranged, upon slipping of the disc

elements onto the same, to be inclined inwards towards the rotational center from one of the end elements to facilitate mounting.

6. (new) The rotor according to claim 5, wherein the end elements have an outer diameter which is less than the outer diameter of the disc elements.